

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

11/24
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Application of
Patrick Casara
Serial No.: 07/986,636
Filed: December 7, 1992
Title: Novel Process For
Preparing 4-Amino-5-
Hexenoic Acid

) Examiner: Shippen, Michael L.
) Art Unit: 1204

) I hereby certify that this correspondence is being deposited with
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Signature

AMENDMENT PURSUANT TO 37 C.F.R. §1.115

The Honorable Commissioner
of Patents and Trademarks
Washington, D.C., 20231

Sir:

Please amend the above-referenced application as follows:

IN THE CLAIMS:

B-
1. (Amended) The process for preparing 4-amino-5-hexenoic acid, [and] or its pharmaceutically acceptable salts thereof which comprises the steps:

- (a) thermally rearranging erythritol to 4-formyloxy-3-hydroxy-1-butene, in the presence of an excess of formic acid,
- (b) thermally rearranging 4-formyloxy-3-hydroxy-1-butene to ethyl 6-formyloxy-4-hexenoate, followed by the conversion of the formate to its corresponding alcohol ethyl 6-hydroxy-4-hexenoate,
- (c) converting the so-produced ethyl 6-hydroxy-4-hexenoate to ethyl 6-trichloroacetimidoxo-4-hexenoate by reaction with trichloroacetonitrile, followed by its thermal rearrangement to its imidate ethyl-4-trichloroaceto-amido-5-hexenoate which, by hydrolysis is converted to